

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 03-170838

(43) Date of publication of application : 24.07.1991

(51) Int.CI.

G01N 1/22
G01N 1/28

(21) Application number : 01-311617

(71) Applicant : NIPPON SANSO KK

(22) Date of filing : 30.11.1989

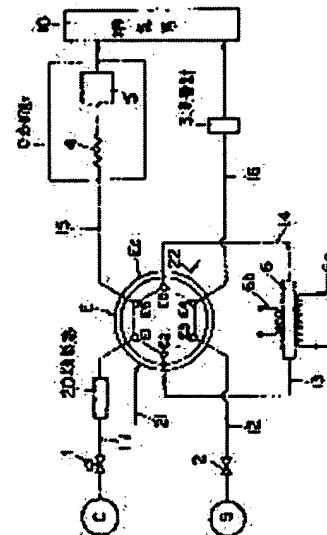
(72) Inventor : UTSUNOMIYA YOSHIAKI
YADA TAKASHI

(54) CONCENTRATION ANALYSIS METHOD AND APPARATUS

(57) Abstract:

PURPOSE: To enable highly accurate analysis with a prevention of entry of atmospheric air and simplify a piping system by supplying a carrier gas through refining device to perform a passage switching between a carrier gas and a sample gas with a multi-way cock with a seal.

CONSTITUTION: A carrier gas C is made to pass through a refining device 20 with that packed into a high pressure vessel decompressed through a decompression valve 1 to remove impurities therein C beforehand. As a result, even when the gas C flows through a concentrating tube 6 controlled to a low temperature together with a sample gas S during a concentration process, as the impurities in the gas C decreases extremely, there is little low-temperature absorption by an adsorbent in the concentrating tube 6, which achieves a higher sensitivity with a reduction in background during a measurement. In addition, when a passage switching is performed between the gas C and the gas S with a multi-way cock E with a seal, the entry of atmospheric air can be prevented into the cock E in the switching of the passage thereby achieving a higher sensitivity.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]